

ASPECT® v3.08.00

Summary


ASPECT software has been updated to include a BACnet Operator Workstation (B-OWS) - ASPECT-SUPERVISOR, Security Enhancements, Routing and Navigation improvements, along with General Usability improvements.

Features

ASPECT-SUPERVISOR (BTL-CERTIFIED BACNET WEB INTERFACE)

ASPECT v3.08.00 includes ASPECT-SUPERVISOR, a new BTL-certified BACnet Operator Workstation (B-OWS) feature for BACnet discovery, browsing and property view/edit.

Note: This feature is available on *new* NEXUS and ASPECT-Enterprise devices only. Existing devices upgraded to v3.08.00 and new MATRIX variants will not include the B-OWS feature.

To access ASPECT-SUPERVISOR: log in to **ngAdmin** as a user that is part of the **SUPAdmin** group, then click **Utilities** > **Aspect Supervisor**. See Help Docs  in the app for more information.

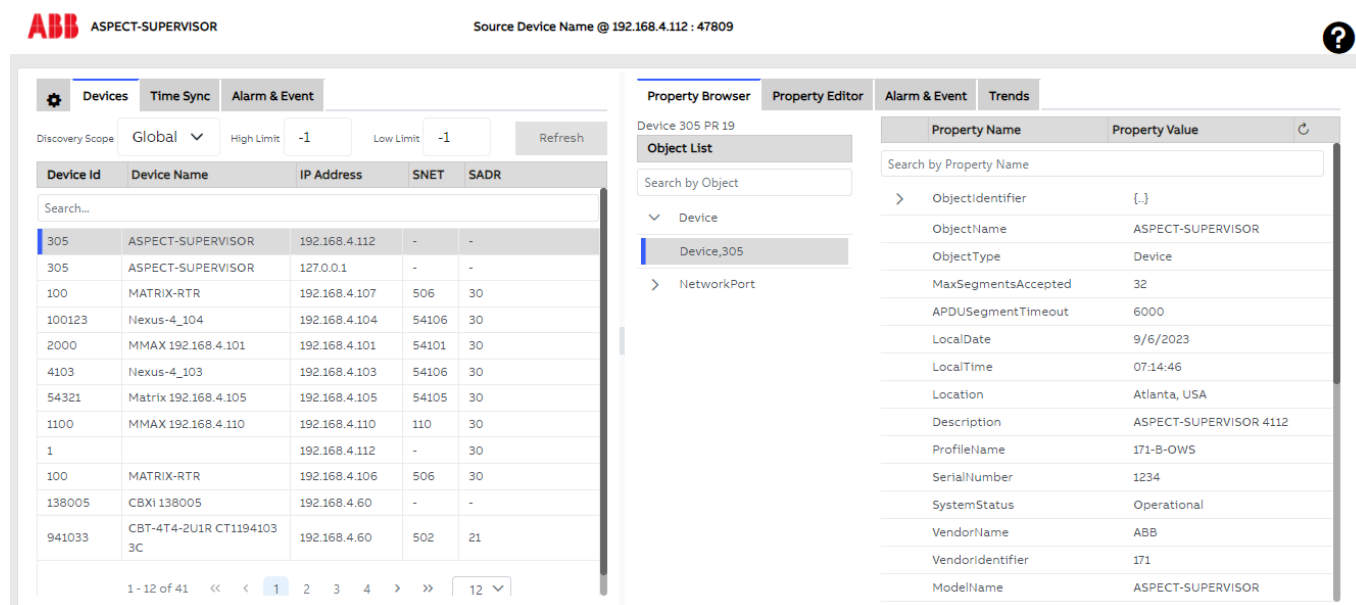


ABB ASPECT-SUPERVISOR Source Device Name @ 192.168.4.112 : 47809

Discovery Scope: Global High Limit: -1 Low Limit: -1 Refresh

Device Id	Device Name	IP Address	SNET	SADR
305	ASPECT-SUPERVISOR	192.168.4.112	-	-
305	ASPECT-SUPERVISOR	127.0.0.1	-	-
100	MATRIX-RTR	192.168.4.107	506	30
100123	Nexus-4_104	192.168.4.104	54106	30
2000	MMAX 192.168.4.101	192.168.4.101	54101	30
4103	Nexus-4_103	192.168.4.103	54106	30
54321	Matrix 192.168.4.105	192.168.4.105	54105	30
1100	MMAX 192.168.4.110	192.168.4.110	110	30
1		192.168.4.112	-	30
100	MATRIX-RTR	192.168.4.106	506	30
138005	CBXi 138005	192.168.4.60	-	-
941033	CBT-4T4-2U1R CT1194103 3C	192.168.4.60	502	21

1 - 12 of 41 << < 1 2 3 4 > >> 12 ▾

Property Browser Device 305 PR 19

Object List Search by Object

- Device
- Device,305
- NetworkPort

Alarm & Event **Trends**

Property Name	Property Value
ObjectIdentifier	{.}
ObjectName	ASPECT-SUPERVISOR
ObjectType	Device
MaxSegmentsAccepted	32
APDUSegmentTimeout	6000
LocalDate	9/6/2023
LocalTime	07:14:46
Location	Atlanta, USA
Description	ASPECT-SUPERVISOR 4112
ProfileName	I71-B-OWS
SerialNumber	1234
SystemStatus	Operational
VendorName	ABB
VendorIdentifier	I71
ModelName	ASPECT-SUPERVISOR

Note: ASPECT Device IDs and internal network numbers must be unique on your BACnet network in order for ASPECT-SUPERVISOR B-OWS to run smoothly. Supervisor B-OWS will be configured with a unique Device ID and network number automatically on first launch. These unique IDs are generated using the last 2 octets of the devices IP address. Device ID and network number are configurable after first launch.

However, ASPECT routers on ASPECT-Enterprise, NEXUS and MATRIX devices may need to be configured with unique BACnet Device Instance Number and BACnet Internal Network Number (WebUI > Communication Setup > BACnet > BACnet Settings).

ASPECT® - Enterprise

- ASPECT Admin
- 1 - EnterpriseCentOS6
- Database Management
- Licensing
- Communication Setup
 - OOS Manager
 - IP Port Administration
 - BACnet
 - BACnet Settings**
 - BBMD Settings
 - Time Sync Settings
 - Modbus
- Captures
- System Administration
 - User Manager
 - LDAP Configuration
 - Authentication Configuration
 - System Services
 - System Status
 - Process Status
 - System Updates
 - OS Auto-Update
 - Backup/Restore
- Ethernet Settings
 - Network Diagnostics
 - Time Settings
 - Web Server Configuration
 - Web Server SSL Configuration
 - Image Proxy Configuration
 - Acknowledgements
- CalDAV Server Configuration
- Debug Settings
- System Logs

BACnet Configuration

BACnet IP Configuration

UDP Port	47808
IP ADPU Timeout (seconds)	0.5
IP Write Retries	1
IP Read Retries	1
IP Out Of Service Time (seconds)	60
IP Discovery Timeout (seconds)	3
Cache Size	5000

BACnet Router Configuration

Device Name	Aspect Router
BACnet Device Instance Number	1
eSC Support	No
CBR Virtual Device Support	No
BACnet Ethernet Enabled	No
BACnet IP Enabled	No
BACnet Internal Network Number	505
BACnet NAT Network Enabled	No
Segmentation Enabled	No
Router Debug Level	1
BACnet Debug Level	1

Submit

SECURITY ENHANCEMENTS

- The appearance of the ASPECT login page has changed:

ABB

Enterprise

AspectDemo

Username *

Password *

Language
English

Login

- Single sign-on has been implemented for ASPECT Apps so that a login to ngAdmin will also permit access to System Administration (WebUI) and ASPECT-SUPERVISOR (where user/group permissions allow).

Note: Logging out of one application will log the same user out of *all* applications in the browser.

- By default Users with a “weak” password will be required to change their password at next login after [3.08.00](#) upgrade. This is configurable in **WebUI > Authentication Configuration > Security Level**.
- The factory default credentials [aamuser/default](#) and [guest/guest](#) are now required to be changed before upgrade to [v3.08.00](#) is permitted.
- The factory default credentials [aamuser/default](#) and [guest/guest](#) are now required to be changed at the first login to any **ASPECT** target device.
- Changing a password in one application will result in a password change across all applications (where passwords are synchronized between applications to begin with).
- Session expiry and password rules can now be configured in **WebUI > Authentication Configuration**.
- Users can now change their own passwords in **ngAdmin** (user icon drop-down menu > **User Preferences**).

Resolved Issues

- ASP-6181** Authenticated proxy from **ngAdmin** to **B-OWS** has been added on **ASPECT-Enterprise / NEXUS** platforms.
- ASP-6225** **ASPECT WebUI** (System Administration) link is now visible only to authorized users, and access is “proxy” authenticated.
- ASP-6226** **Aspect Supervisor** (B-OWS) link is now visible only to authorized users and access is “proxy” authenticated.
- ASP-6262** Passwords can no longer be added to the Security/Auth debug logs.
- ASP-6264** Authenticated proxy configuration has been implemented for the **Centos 6** version of **Apache**.
- ASP-6266** An app-selection dropdown has been added to the **ngAdmin** login page.
- ASP-6295** Session idle timeouts have been implemented in **ngAdmin**.
- ASP-6296** Session idle time is now updated for the user across all apps.
- ASP-6303** Copy & Paste of credentials has been disabled on login page.
- ASP-6307** **Authentication Configuration** page has been added to **WebUI** - (session expiry rules, password rules, etc.).
- ASP-6318** Graphics Preview has been updated to work with the new authentication mechanisms.
- ASP-6327** The “default” username & password has been removed from new deployment targets in **ASPECT-Studio**.
- ASP-6335** Remove weak TLS ciphers from **ASPECT**.

ROUTING AND NAVIGATION IMPROVEMENTS

- The following routing/navigation changes will take effect with [3.08.00](#):
 - The default “landing page” for **ASPECT** is now **ngAdmin**.
This is the application that will be reached if a bare IP address or hostname is entered (without any additional URL path).
System Administration (WebUI) and **ASPECT-SUPERVISOR** can be reached from links under **Utilities** menu in **ngAdmin**.
 - The URLs for the **WebUI** (System Administration) application now include **/admin** at the start of the path e.g. <http://192.168.4.100/admin/setup.php>
This means that existing local bookmarks may need to be updated.

Resolved Issues

- ASP-6086** The project name has been added to the **ngAdmin** login page.
- ASP-6315** The **Manage Port** option has been removed from the **WebUI** interface (**Web Server SSL Configuration**).
- ASP-6317** Upgrade will now stop if the **Use First Instance** option is selected.

GENERAL USABILITY

Resolved Issues

- ASP-6209 A diagnostic tool has been added to capture traffic on any port.
- ASP-6247 Connection & read timeouts have been added to ASPECT XPath Reader to prevent blocking by the process.
- ASP-6292 MATRIX variant labelling (MATRIX/Matrix-Max/MATRIX-2) has been clarified on login pages and WebUI.
- ASP-6367 All ASPECT UI sections now have uniform headers and branding.
- ASP-6403 Network device changes (e.g. docking station) no longer cause an issue with ASPECT-Studio license.

Customer Impact

Customers are recommended to update when convenient. However, the following should be noted:

1. The factory default credentials **must** be changed before upgrade to v3.08.00 is permitted.
2. The v3.08.00 upgrade process will only be successful if the default option **Aspect Target Admin UI** is selected on the Web Server SSL Configuration WebUI page.
3. By default, Users with a “weak” password will be required to change their password at next login after 3.08.00 upgrade. This is configurable in WebUI > Authentication Configuration > Security Level
4. The new ASPECT-SUPERVISOR feature (BTL-certified “B-OWS”) will be present on on *new* NEXUS and ASPECT-Enterprise devices only. Existing devices upgraded to v3.08.00 and new MATRIX variants will not include the B-OWS feature.
5. After applying an ASPECT license in WebUI (System Administration), a System Restart is required (see System Services menu).
6. While most ngAdmin features will work on an IOS (Apple) device, full support is not guaranteed.

Note: Since v3.07.00, it is possible to open or close IP ports on ASPECT devices (WebUI > Communication Setup > IP Port Administration).

- *For existing devices*, it is recommended that all ports should be closed for increased security. Note that upgrading an existing device to v3.08.00 will not close any ports, so it is recommended that any unnecessary ports are manually closed.
- *For new devices*, all unnecessary ports will be closed by default, but you can browse the device using HTTPS (port 443 – always open). During project deployment, you will need to temporarily open ports 80 and 7226.